

Converting Colors

`RYB(102, 148, 187)`

Have a look what the booklet for
RYB(102, 148, 187) contains.

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Color

R_YB(102, 148, 187)

Conversions

Conversions Part 1

Format	Color
Hex	66BBAE
RGB	102, 187, 174
RGB Percent	40%, 73%, 68%
CMY	0.6000, 0.2667, 0.3174
CMYK	0.45, 0.00, 0.07, 0.27
HSL	171°, 38%, 57%
HSV	171°, 45%, 73%
XYZ	30.8962, 41.4240, 46.4450
YIQ	160.1030, -46.4870, -22.0630

Conversions

Conversions Part 2

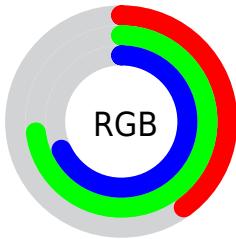
Format	Color
RYB	102, 148, 187
Decimal	6732718
CIELab	70.47, -28.93, -1.46
CIELCh	70, 28.972, 182.895
Yxy	41.4240, 0.2601, 0.3488
Android (android.graphics.Color)	4284922798 (0xFF66BBAE)
YUV	160.1030, 6.8512, -50.9563
Hunter-Lab	64.3615, -26.9452, 2.2677

Details

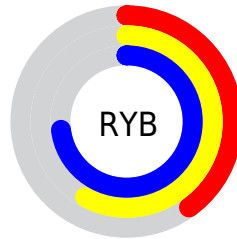
The RYB color **102, 148, 187** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **187, 102, 115**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **158, 205, 244**, and **45, 92, 133** is the 20% darker color. If you saturate the color by 10%, you get **83, 139, 187**, and if you desaturate by 10%, it is **121, 157, 187**.

Distribution



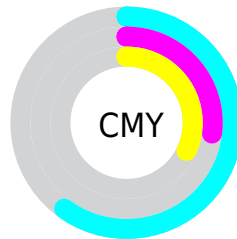
- Red (40%)
- Green (73%)
- Blue (68%)



- Red (40%)
- Yellow (58%)
- Blue (73%)



- Cyan (45%)
- Magenta (0%)
- Yellow (7%)
- Black (27%)




- Cyan (60%)
- Magenta (27%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 148, 187 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 102, 148, 187 by changing the saturation by 10% instead.

 102, 148, 187


255, 255, 255


 158, 205, 244

 186, 221, 255

 215, 235, 255

 244, 250, 255

 102, 148, 187

 74, 121, 160

 45, 92, 133

 1, 57, 108

 0, 44, 83


 0, 32, 59

 0, 21, 38

 0, 2, 5

 0, 0, 0

 102, 148, 187

 102, 148, 187

■ 83, 139, 187

■ 121, 157, 187

■ 65, 131, 187

■ 139, 165, 187

■ 46, 122, 187

■ 158, 174, 187

■ 27, 113, 187

■ 177, 183, 187

■ 9, 105, 187

■ 196, 187, 188

■ 0, 101, 187

■ 214, 187, 191

■ 233, 187, 194

■ 252, 187, 197

■ 255, 187, 200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



130, 171, 185



102, 148, 187



90, 141, 200

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



102, 148, 187



180, 165, 217



211, 192, 126

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



102, 148, 187



187, 102, 115

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



224, 156, 145



102, 148, 187



208, 157, 197

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



102, 148, 187



142, 165, 225



223, 153, 171



144, 189, 120

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



102, 148, 187



98, 147, 214



223, 153, 171



217, 175, 131

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



102, 148, 187



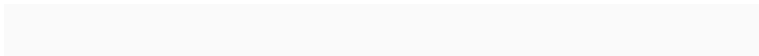
208, 226, 242



102, 187, 173



102, 113, 122



250, 250, 250



122, 122, 122

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



102, 148, 187



109, 181, 242



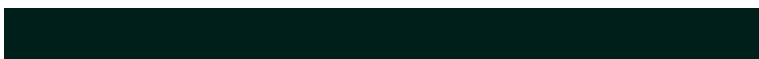
102, 136, 187



85, 90, 94



0, 85, 158



0, 17, 31

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



187, 102, 115



242, 109, 129



187, 144, 102



94, 85, 86



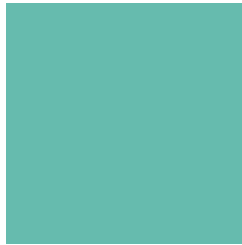
158, 0, 24



31, 0, 5

Previews

White Background



This preview shows how the RYB color 102, 148, 187 looks on a white background.

Color Contrast Check

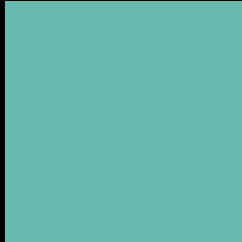
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 102, 148, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 102, 148, 187 Background



This preview shows how black text looks on a background with the RYB color 102, 148, 187.

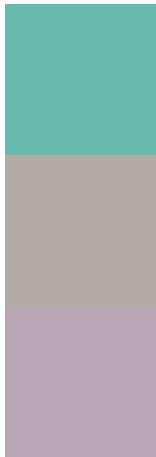


This preview shows how white text looks on a background with the RYB color 102, 148, 187.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
102, 148, 187

Protanopia
174, 176, 165

Deuteranopia
185, 166, 178



Tritanopia
109, 149, 198

Trichromacy



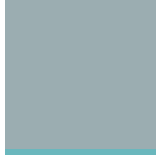
Original Color

102, 148, 187



Protanomaly

149, 166, 177



Deuteranomaly

155, 165, 177



Tritanomaly

106, 146, 189

Monochromacy



Original Color

102, 148, 187



Achromatopsia

160, 160, 160



Achromatomaly

139, 156, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 148, 187 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 187, 174)` looks like.

```
.text, #text, p{  
    color:rgb(102, 187, 174)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 187, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 187, 174) }
```

Border

The CSS property to change the border of an element to RYB 102, 148, 187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 187, 174) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 187, 174) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 187, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 187, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 187, 174);  
box-shadow:4px 4px 4px 4px rgb(102, 187,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 102, 148, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 187, 174) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
187, 174) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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